5313890/2021/POWER-II-ENE01

File No.ENE01-APRE/17/2020-MLO-ENE

GO MS/43/2021/ENE01-Energy

GOVERNMENT OF ANDHRA PRADESH
ABSTRACT

Energy Department – Promotion of Pumped Hydro Storage Power Projects Permissions/Clearances required from various stakeholder departments – Constitution of Committee under the Chairmanship of Chief Secretary to Government to review the issues related to various clearances for Pumped Hydro Storage Power Projects - Orders-Issued.

ENERGY (POWER-II) DEPARTMENT

G.O.MS.No.21 **Dated:16.12.2021.**

Read :

Letter from VC&MD, NREDCAP:NREDCAP/WE/PSP/Corrs/2021, dated 25.10.2021.

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ORDER:

Power generation from wind and solar power projects is variable in nature due to change in wind speeds in short span of time and also drop in generation because of cloud cover in case of solar power projects. Due to these variations, it is becoming difficult to maintain the grid stability and balancing to meet the sudden spurt or drop in power demand. In order to meet the power demand in peak periods and for better grid management, it is proposed to promote "Pumped Storage Power Projects (PSP)" at feasible locations in A.P State both on river and off-river to generate power to balance the Variable Renewable Energy Power and to meet the peak energy demand in the State. With the ambitious targets of Central Government & State Government, the share of Renewable Energy is expected to be increased substantially in the coming years and high penetration of Variable Renewable Energy (VRE) require energy storage capacities to balance the grid and its security and stability besides meeting peak power demand in the state.

2. In the reference read above, the VC & MD, NREDCAP, Tadepalli, Guntur District has stated that NREDCAP is preparing the Feasibility Reports and Detailed Project Reports as per the directions of the Government to promote Pumped Hydro Storage Power Projects (PSPs) at identified seven locations to balance Variable Renewable Power and export surplus power to other states. The details are as follows:

S.No	Location	District	Estimated Capacity (in MW)
1	Gandikota	YSR Kadapa	1000
2	Chitravathi	Ananthapuramu	500
3	Somasila	YSR Kadapa	900
4	Owk	Kurnool	800
5	Kurukutti	Vizianagaram	1200
6	Karrivalasa	Vizianagaram	1000
7	Yerravaram	Visakhapatnam	1200
Total			**6600**

3. The VC & MD, NREDCAP, Guntur District has further stated that the State Government Departments like Water Resources, Forest, Revenue, etc., shall give various permissions/clearances during the preparation of DPRs and construction of the projects.

4. In order to expedite procedures and accord permissions and clearances, Government have decided to constitute a following Committee under the Chairmanship of Chief Secretary to Govt to review the issues related to various clearances for Pumped Hydro Storage Power Projects:

(Contd....)

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1. Chief Secretary to Govt -Chairman
2. Principal Secretary, Revenue -Member
3. Secretary to Govt, Water Resources Department -Member
4. Secretary, Environment, Forest, Science & Technology -Member
5. Secretary to Govt, Energy Dept - Member
6. Principal Chief Conservator of Forests (HoFF) -Member
7. CMD, A.P.Transco, Vijayawada -Member
8. Engineer in Chief, WRD -Member
9. VC & Managing Director, NREDCAP -Member-Convenor

5. The Vice-Chairman & Managing Director, NREDCAP, Tadepalli, Guntur District shall take necessary action accordingly.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

SRIKANT NAGULAPALLI
SECRETARY TO GOVERNMENT

To
The Principal Secretary to Government, Revenue Department.
The Secretary to Government, Water Resources Department
The Secretary to Government, Environment, Forest, Science & Technology Department.
The Principal Chief Conservator of Forests (HoFF), Guntur.
The Chairman & Managing Director, A.P.Transco, Vijayawada
The Engineer in Chief, Water Resources Department, Vijayawada.
The Vice Chairman & Managing Director, NREDCAP, Tadepalli, Guntur Dist.

Copy to:
The Addl.Secretary to C.M.
The P.S.to Minister for Energy Dept.
The P.S. to Chief Secretary to Govt.
The P.S. to Secretary to Government, Energy Department.
SF/Scs. (Computer No. 1215529)

//FORWARDED BY ORDER//

SECTION OFFICER

Signed by Vani Kinthada
Date: 16-12-2021 14:54:26
Reason: Approved